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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: van Gemen et al.

Serial No.: 10/006,009

Filed: December 4, 2001

For: TESTING ENDOSYMBIONT CELLULAR ORGANELLES AND COMPOUNDS IDENTIFIABLE THEREWITH

Examiner: Unknown

Group Art Unit: 1645

Attorney Docket No.: 5189US

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SUPPLEMENTAL COMMUNICATION

Commissioner for Patents Washington, D.C. 20231

Sir:

Enclosed are drawings that more clearly depict the invention.

Allen C. Turner

Registration No. 33,041

Respectfully submitted,

Attorney for Applicants

TRASKBRITT, PC

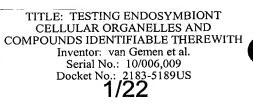
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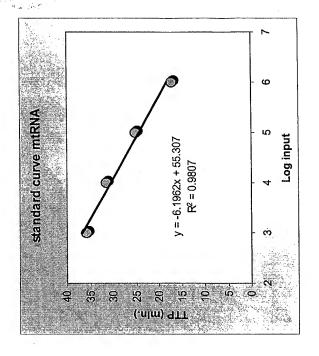
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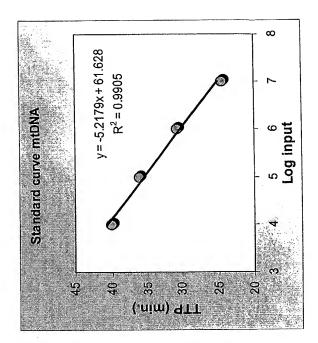
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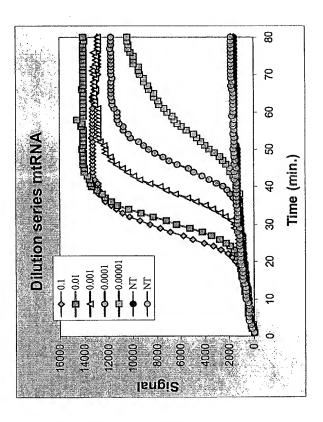
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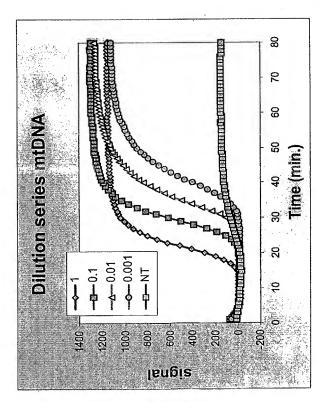
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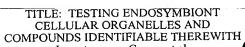












Inventor: van Gemen et al. Serial No.: 10/006,009
Docket No.: 2183-5189US
2/22



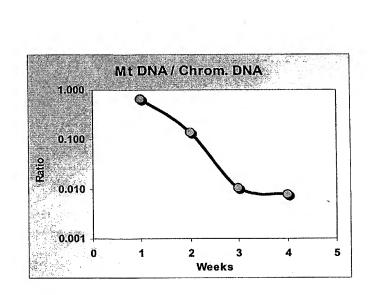
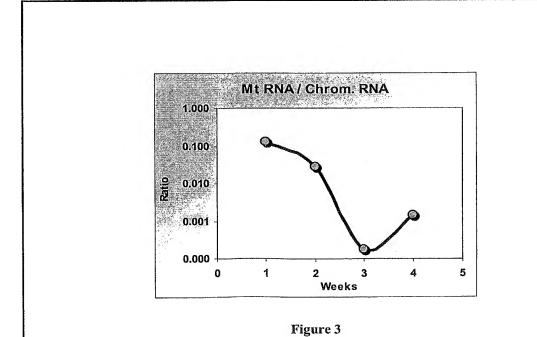
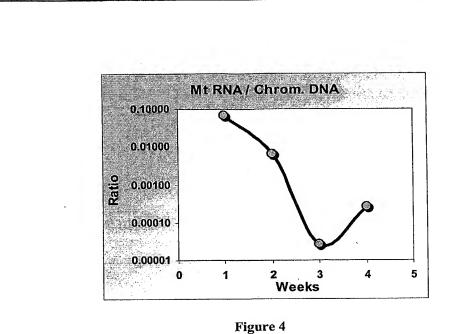


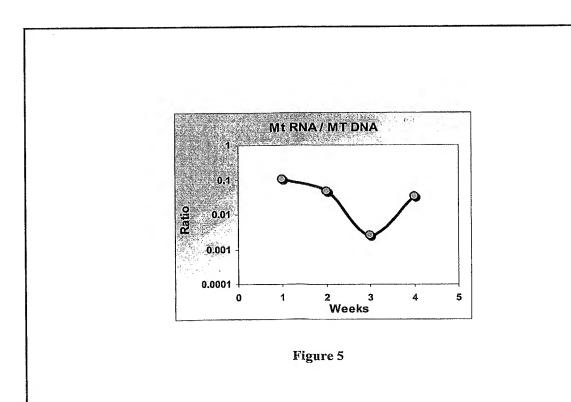
Figure 2

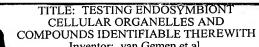




Inventor: van Gemen et al. Serial No.: 10/006,009 Docket No.: 2183-5189US 3/22

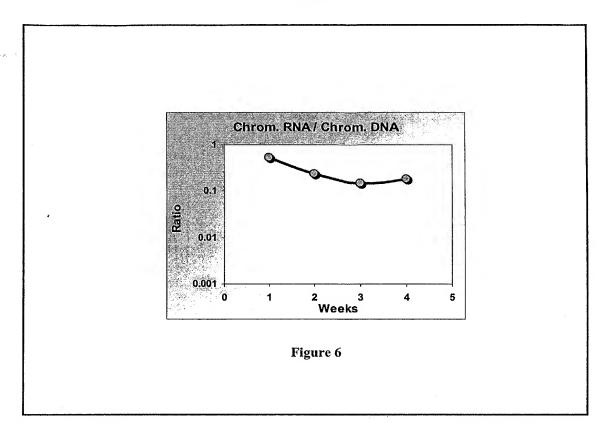


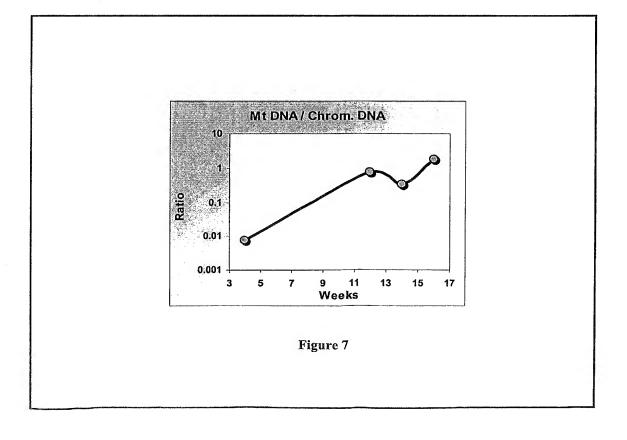




Inventor: van Gemen et al.
Serial No.: 10/006,009
Docket No.: 2183-5189US
4/22







TITLE: TESTING ENDOSYMBIONT CELLULAR ORGANELLES AND COMPOUNDS IDENTIFIABLE THEREWITH Inventor: van Gemen et al. Serial No.: 10/006,009 Docket No.: 2183-5189US 5/22





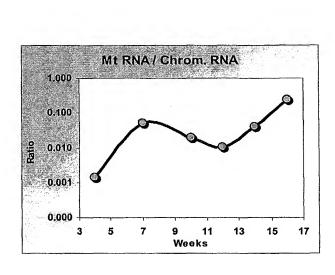


Figure 8

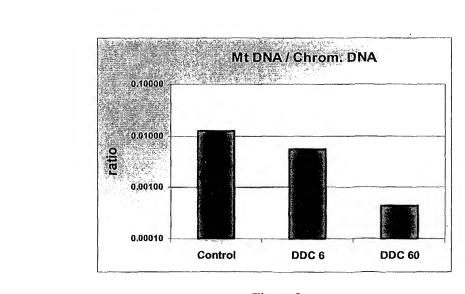
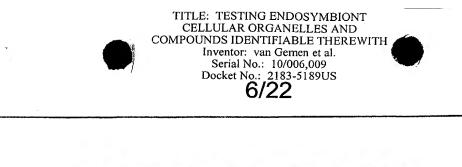


Figure 9



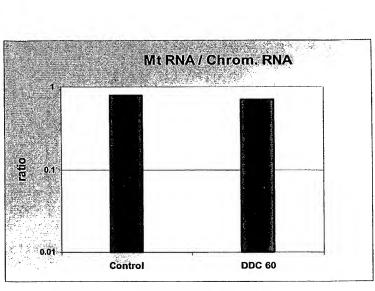
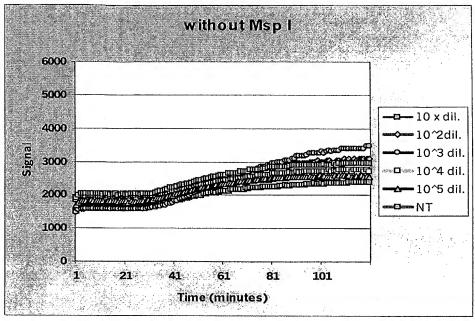


Figure 10

Inventor: van Gemen et al. Serial No.: 10/006,009
Docket No.: 2183-5189US
7/22





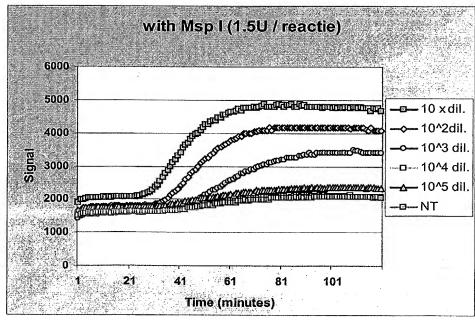


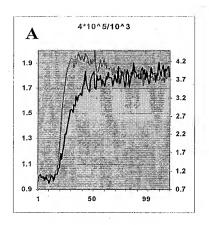
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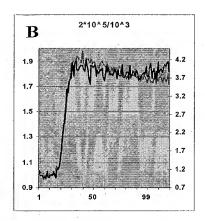
Inventor: van Gemen et al. Serial No.: 10/006,009
Docket No.: 2183-5189US

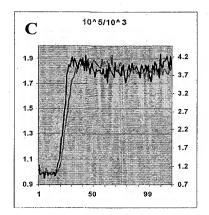
8/22

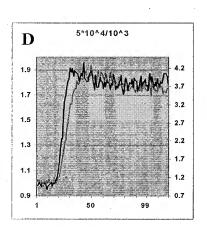


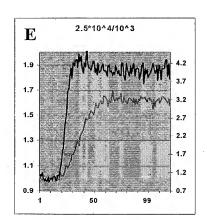
Fig. 12

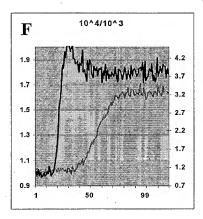


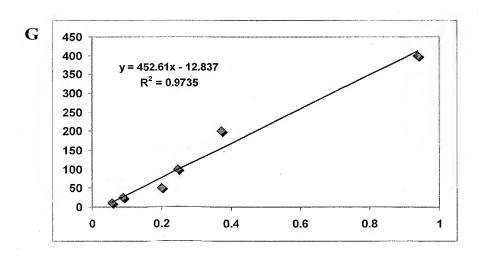








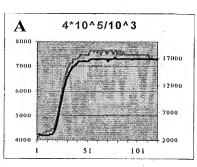


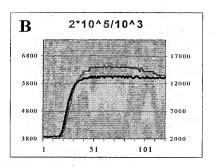


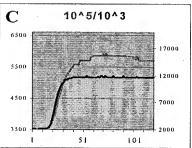


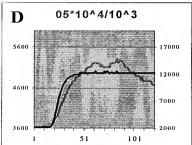
Inventor: van Gemen et al. Serial No.: 10/006,009 Docket No.: 2183-5189US

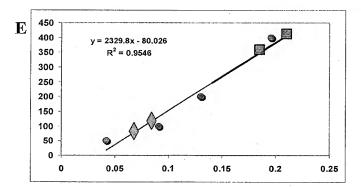
Fig.13

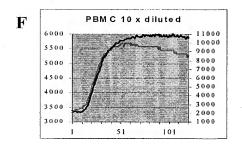


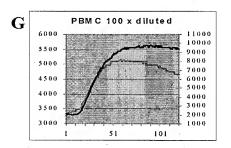


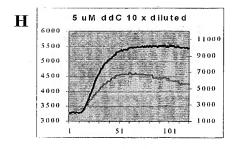


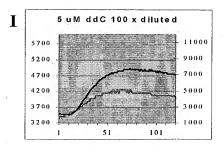






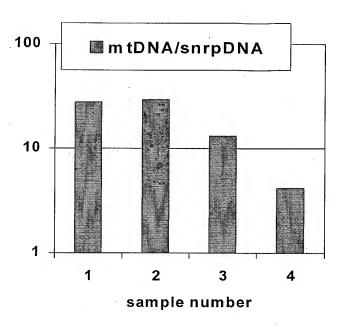






Inventor: van Gemen et al. Serial No.: 10/006,009
Docket No.: 2183-5189US
10/22

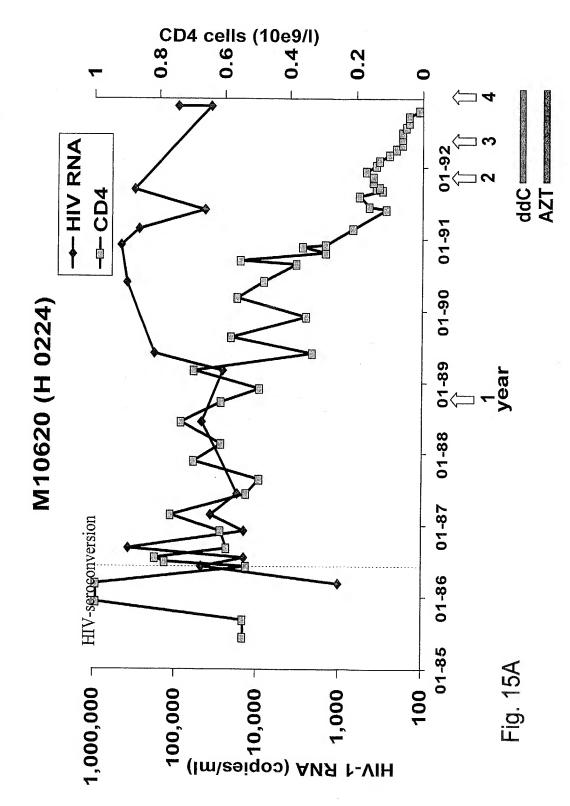
Fig. 14



TITLE: TESTING ENDOSYMBIONT
CELLULAR ORGANELLES AND
COMPOUNDS IDENTIFIABLE THEREWITH
Inventor: van Gemen et al.
Sorial No.: 10/006 000

Inventor: van Gemen et al. Serial No.: 10/006,009
Docket No.: 2183-5189US
11/22





Inventor: van Gemen et al. Serial No.: 10/006,009 Docket No.: 2183-5189US

Lactate acidose patient (H0224)

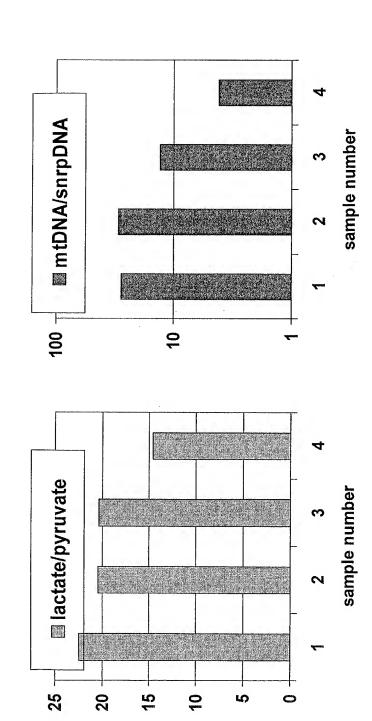
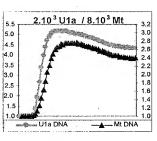


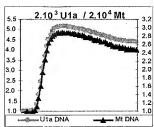
Fig. 15B

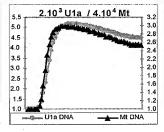
Inventor: van Gemen et al. Serial No.: 10/006,009 Docket No.: 2183-5189US 13/22

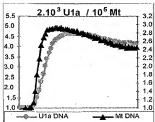


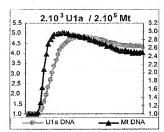
Fig. 16

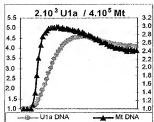


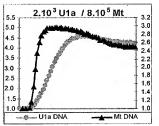


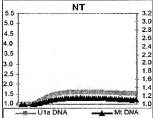


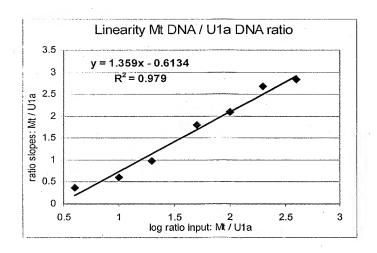












Inventor: van Gemen et al. Serial No.: 10/006,009
Docket No.: 2183-5189US
14/22

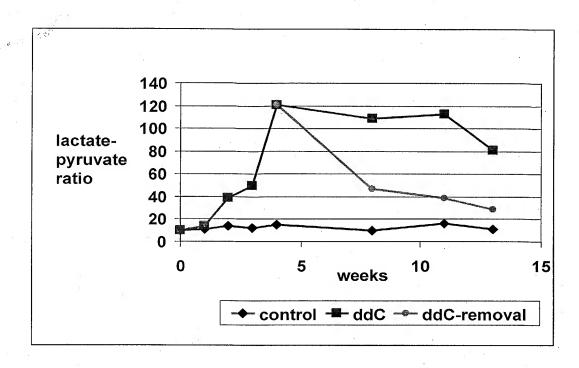


Fig. 17

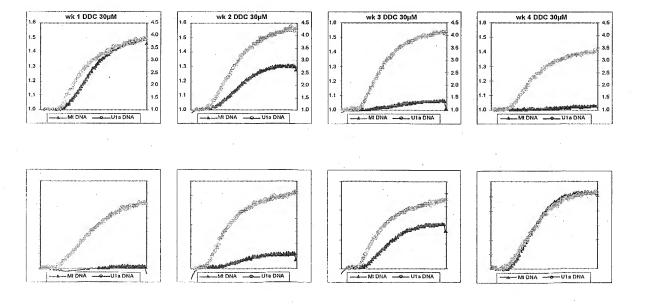


Fig. 18

TITLE: TESTING ENDOSYMBIONT CELLULAR ORGANELLES AND COMPOUNDS IDENTIFIABLE THEREWITH Inventor: van Gemen et al. Serial No.: 10/006,009 Docket No.: 2183-5189US 15/22



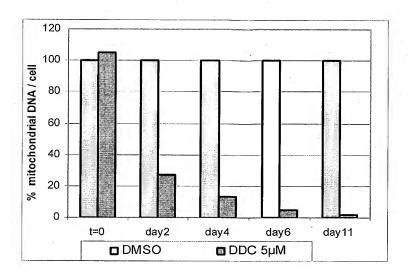


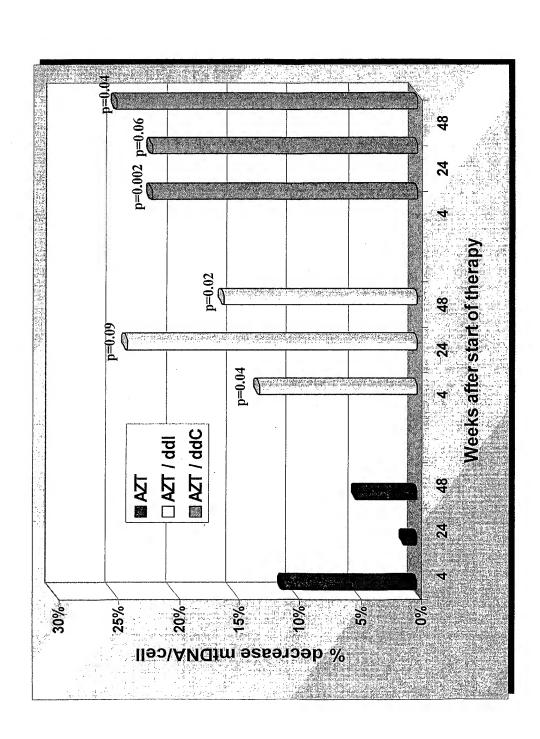
Fig. 19

TITLE: TESTING ENDOSYMBIONT CELLULAR ORGANELLES AND COMPOUNDS IDENTIFIABLE THEREWITH Inventor: van Gemen et al. Serial No.: 10/006,009 Docket No.: 2183-5189US 16/22



Fig. 20





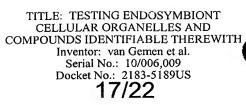
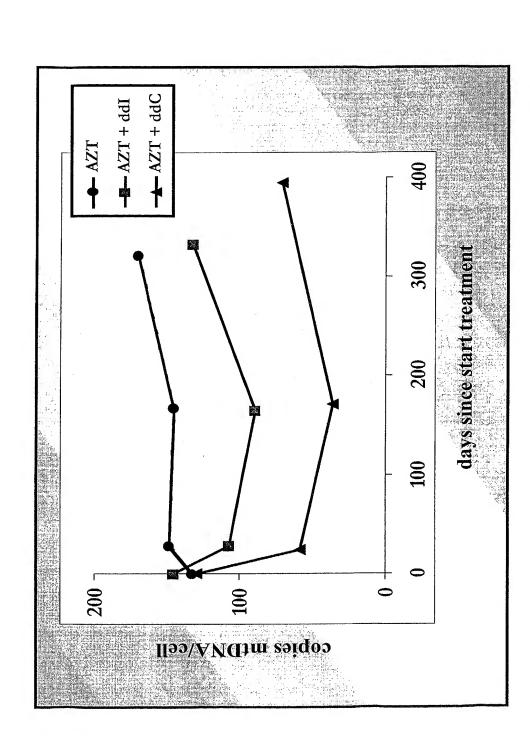
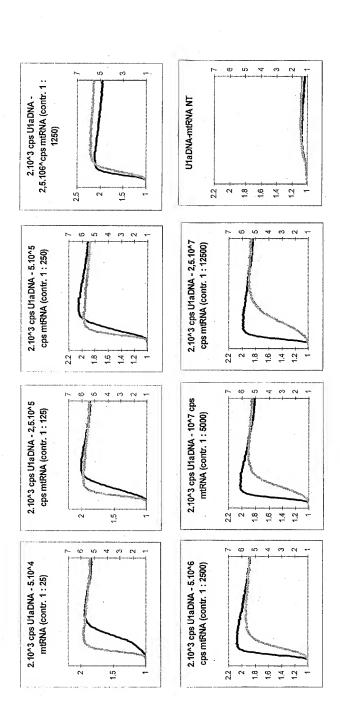


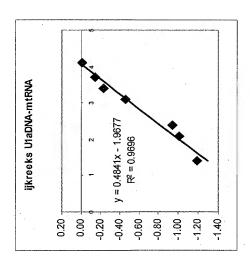
Fig. 21

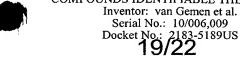


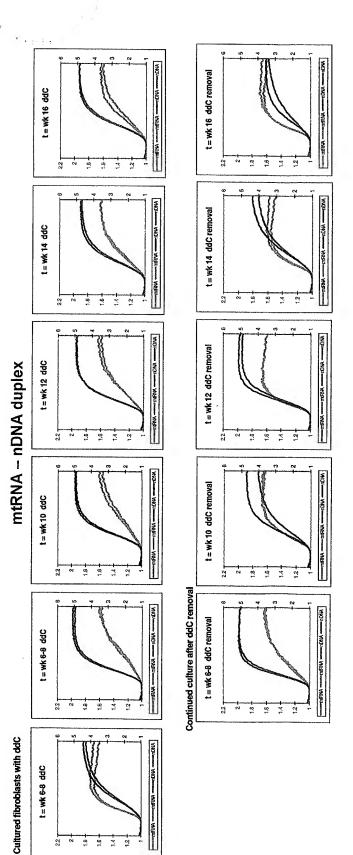
Copies mtDNA/cell for three individual patients

TITLE: TESTING ENDOSYMBIONT CELLULAR ORGANELLES AND COMPOUNDS IDENTIFIABLE THEREWITH Inventor: van Gemen et al. Serial No.: 10/006,009 18/22

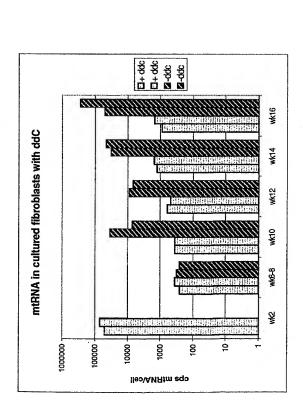








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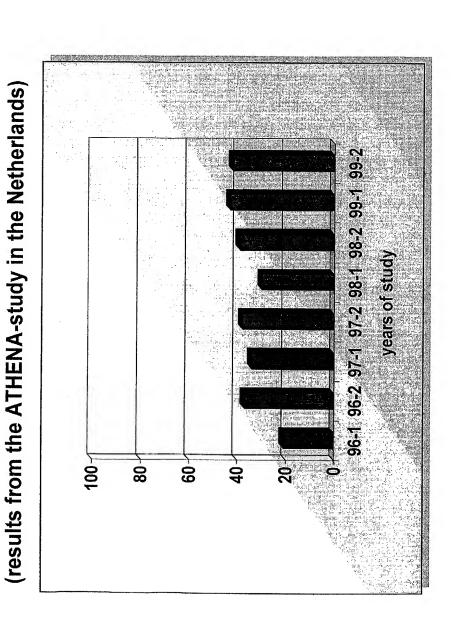


Inventor: van Gemen et al. Serial No.: 10/006,009
Docket No.: 2183-5189US
20/22



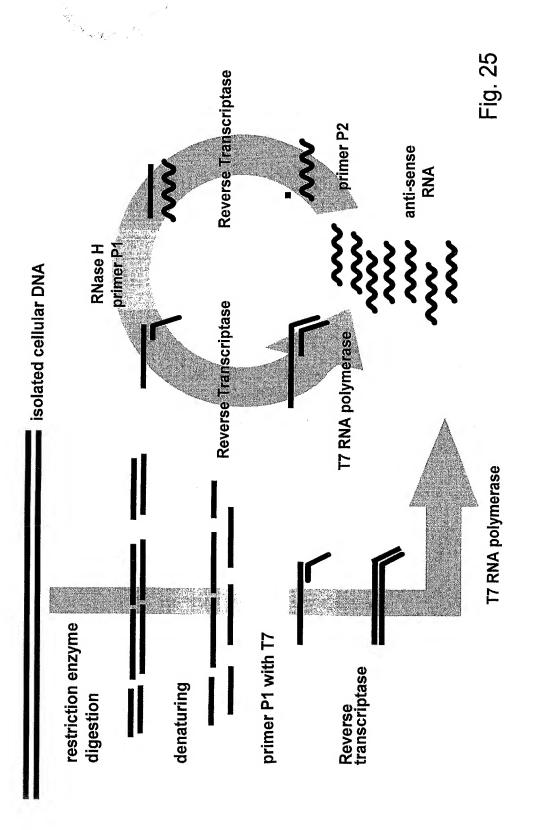
Adverse effects of antiretroviral therapy

Percentage of patients changing ART because of adverse effects



TITLE: TESTING ENDOSYMBIONT CELLULAR ORGANELLES AND COMPOUNDS IDENTIFIABLE THEREWITH Inventor: van Gemen et al. Serial No.: 10/006,009 Docket No.: 2183-5189US 21/22

DNA-NASBA amplification



TITLE: TESTING ENDOSYMBIONT
CELLULAR ORGANELLES AND
COMPOUNDS IDENTIFIABLE THEREWITH
Inventor: van Gemen et al.
Serial No.: 10/006,009
22/22

Fig. 26

location of primers for NASBA Mitochondria

